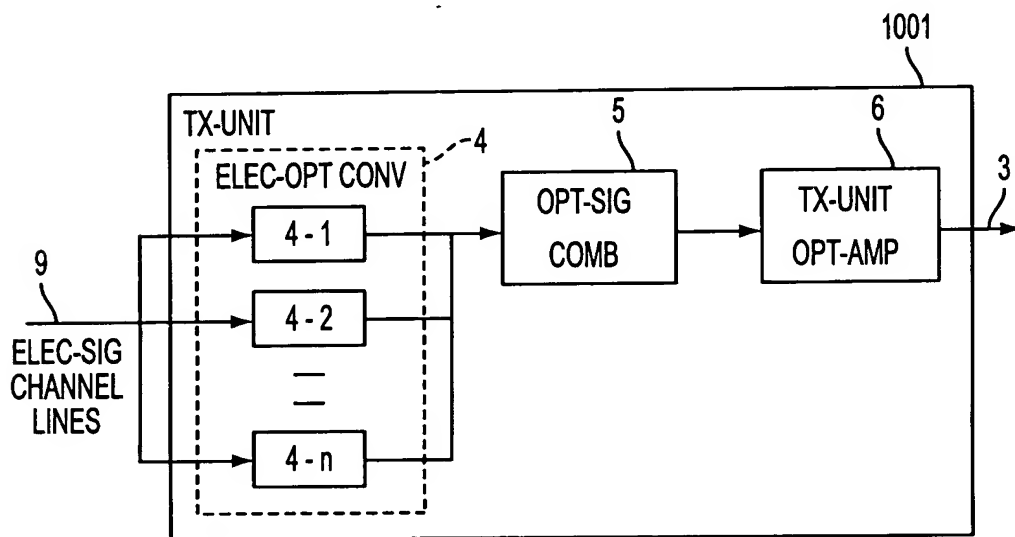
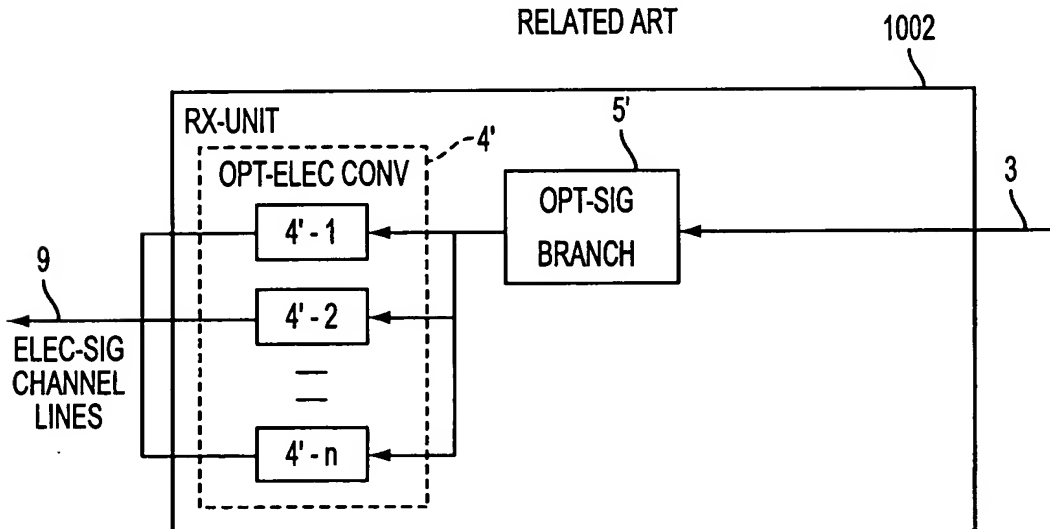


**FIG. 1A**  
RELATED ART

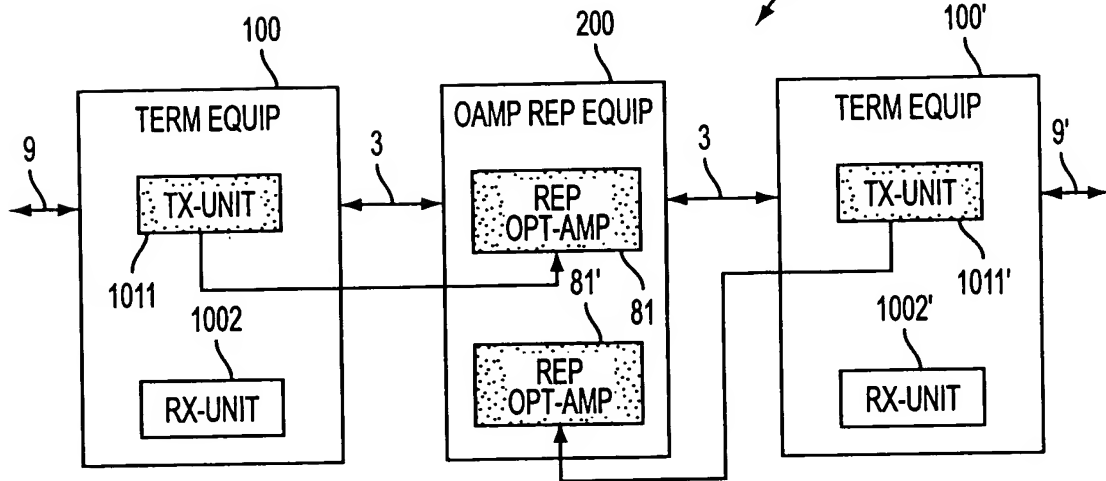


**FIG. 1B**  
RELATED ART

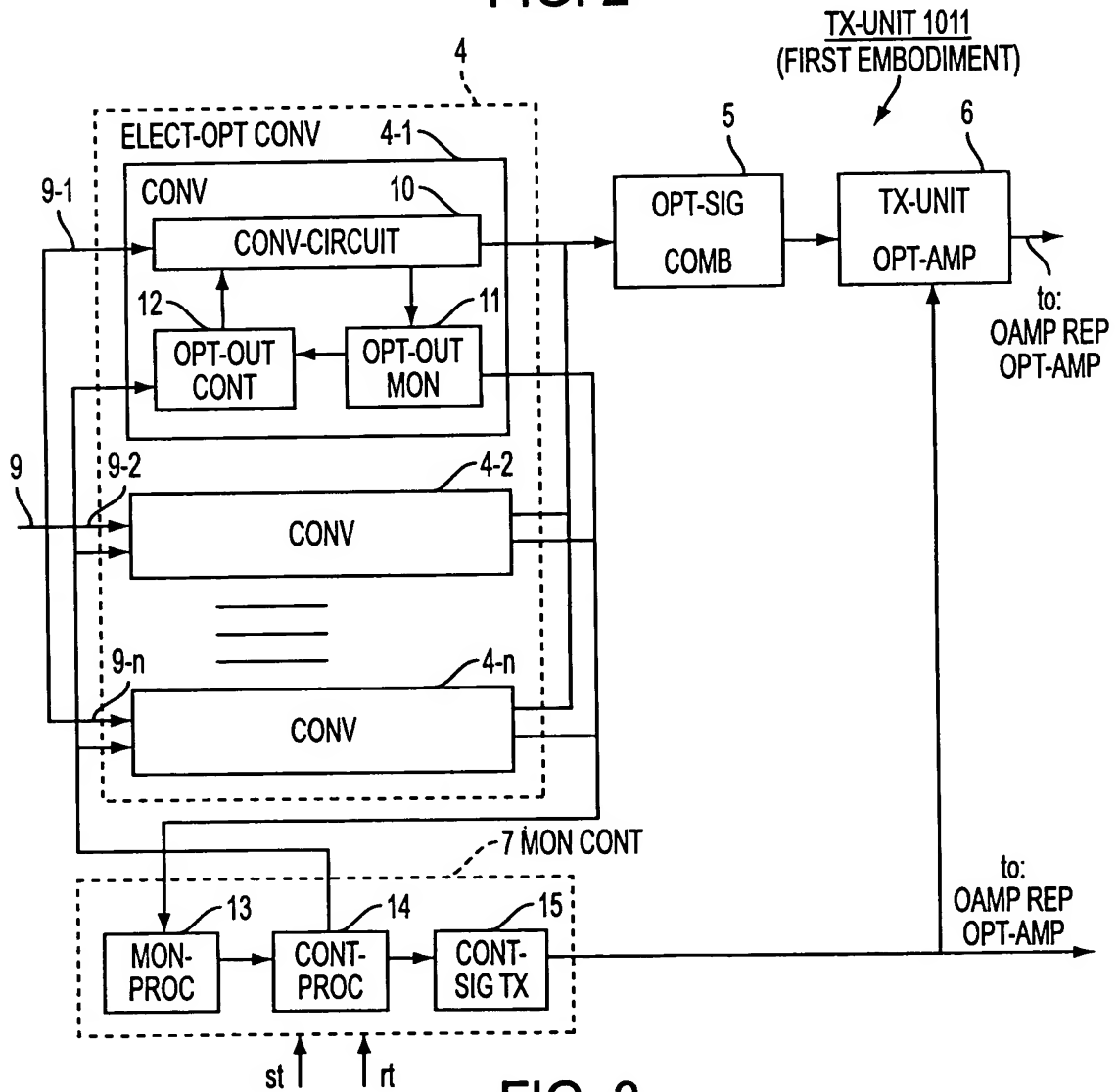


**FIG. 1C**  
RELATED ART

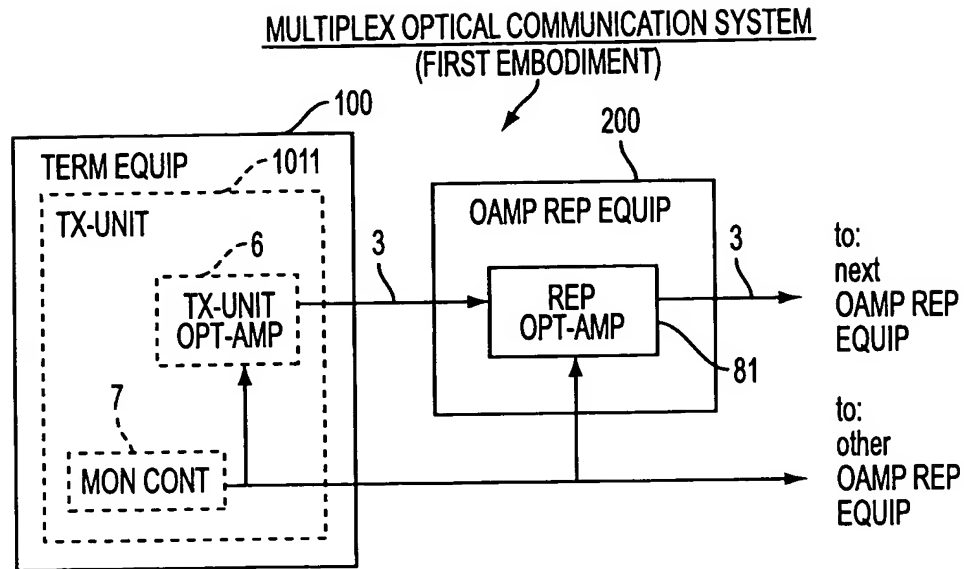
MULTIPLEX OPTICAL COMMUNICATIONS SYSTEM  
(FIRST EMBODIMENT)



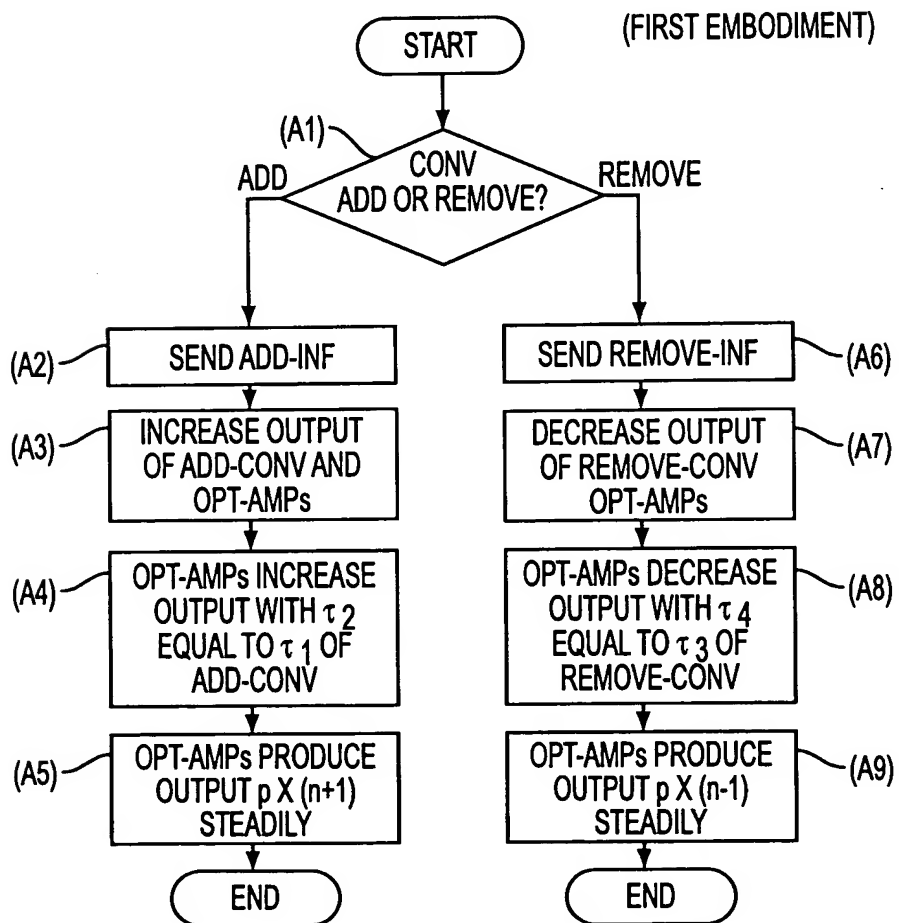
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**

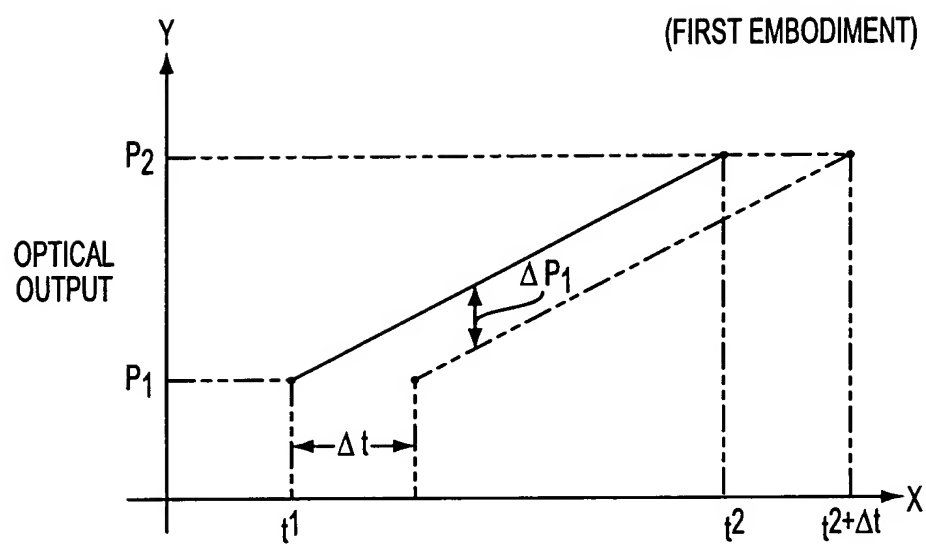


FIG. 6

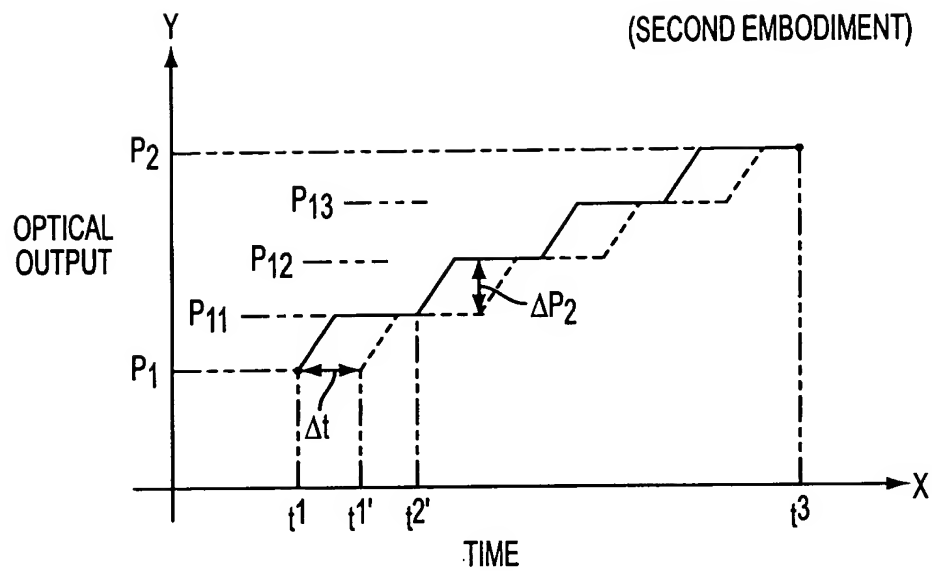
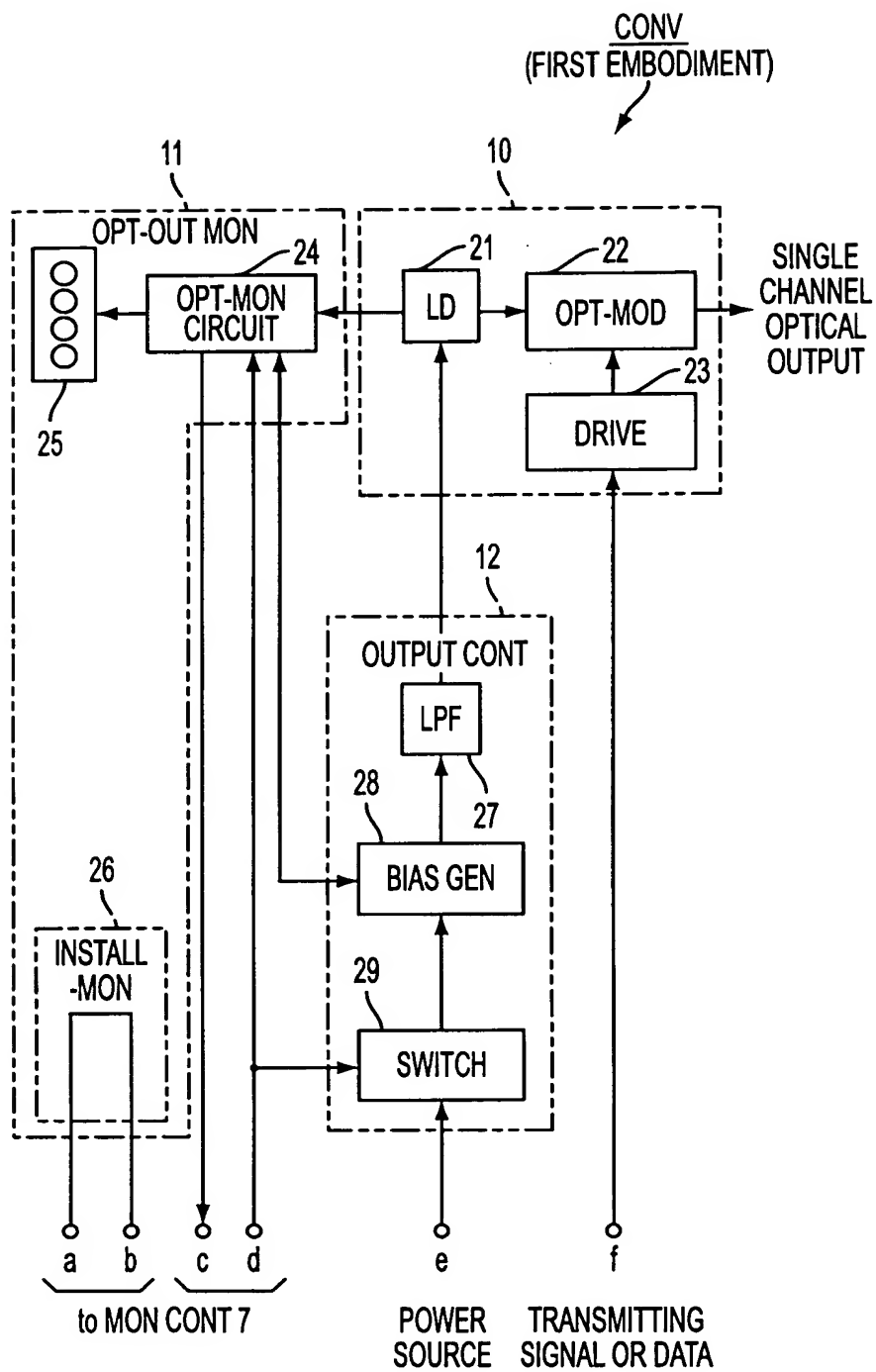


FIG. 7



**FIG. 8**

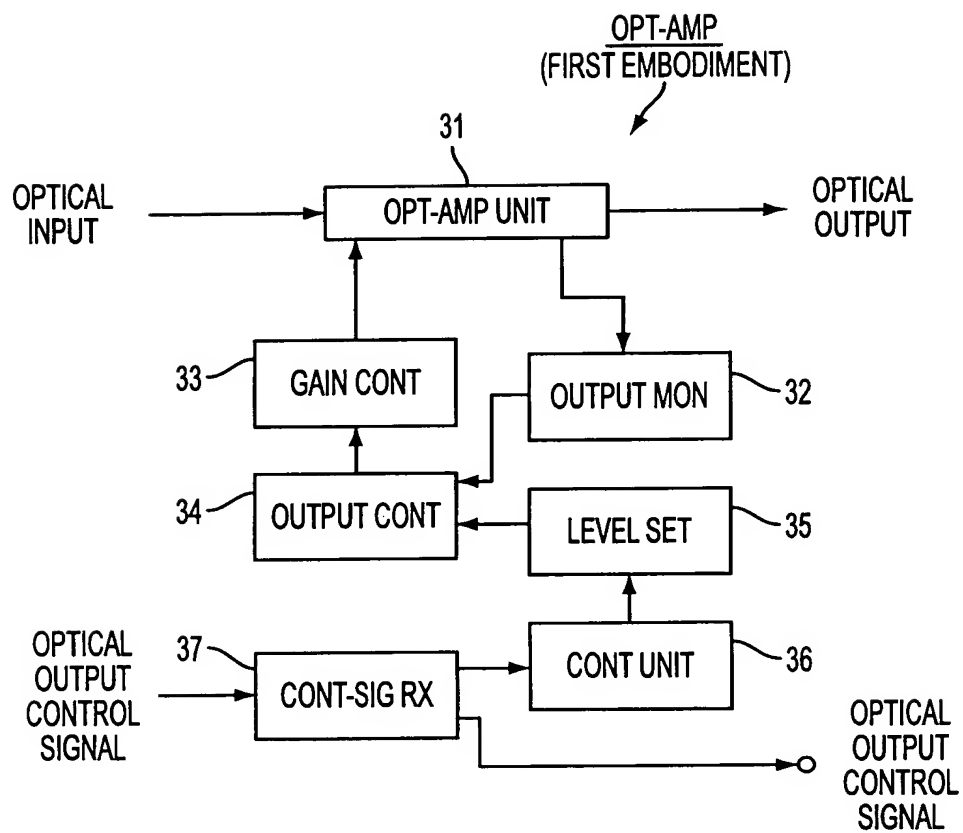


FIG. 9

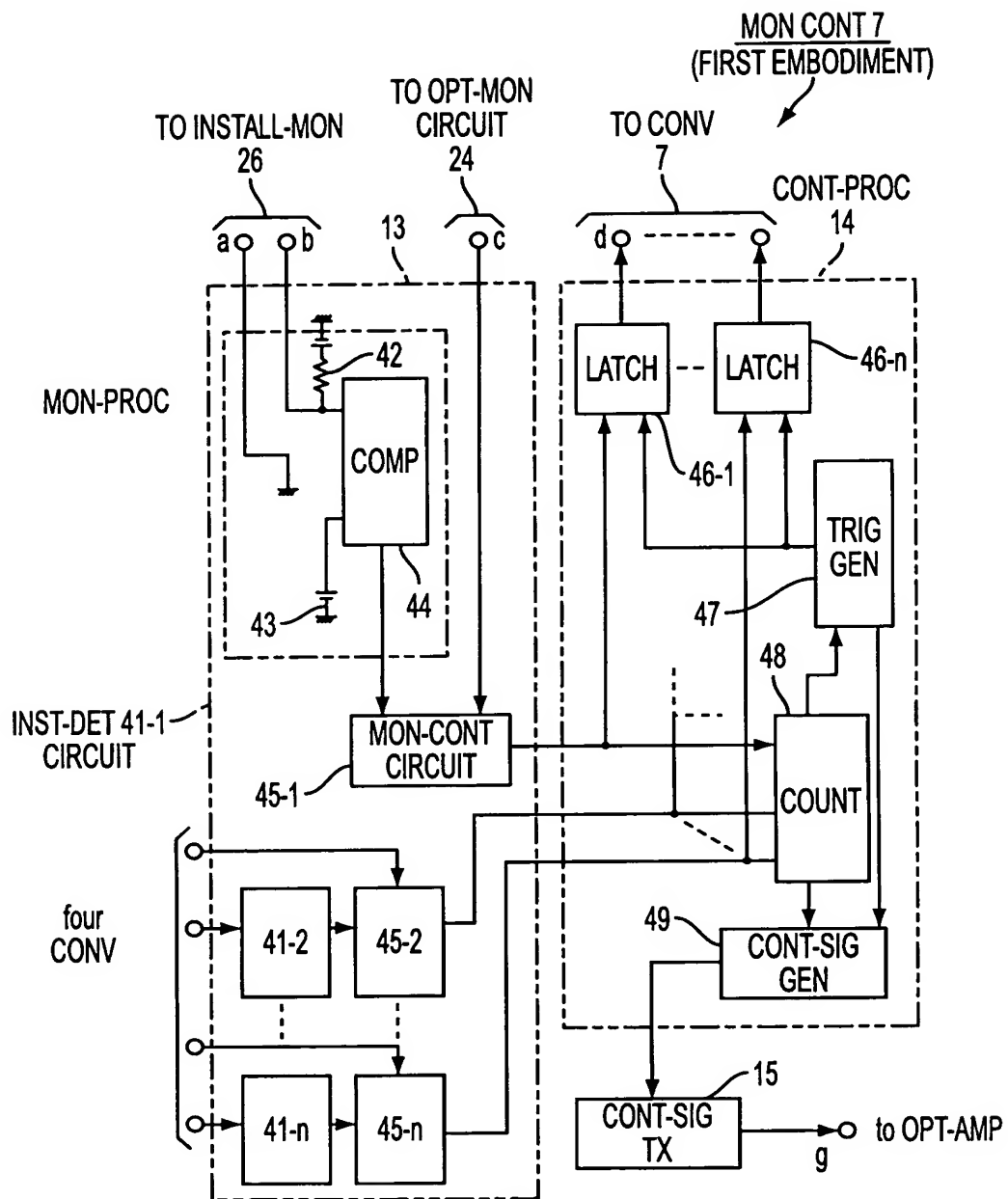


FIG. 10

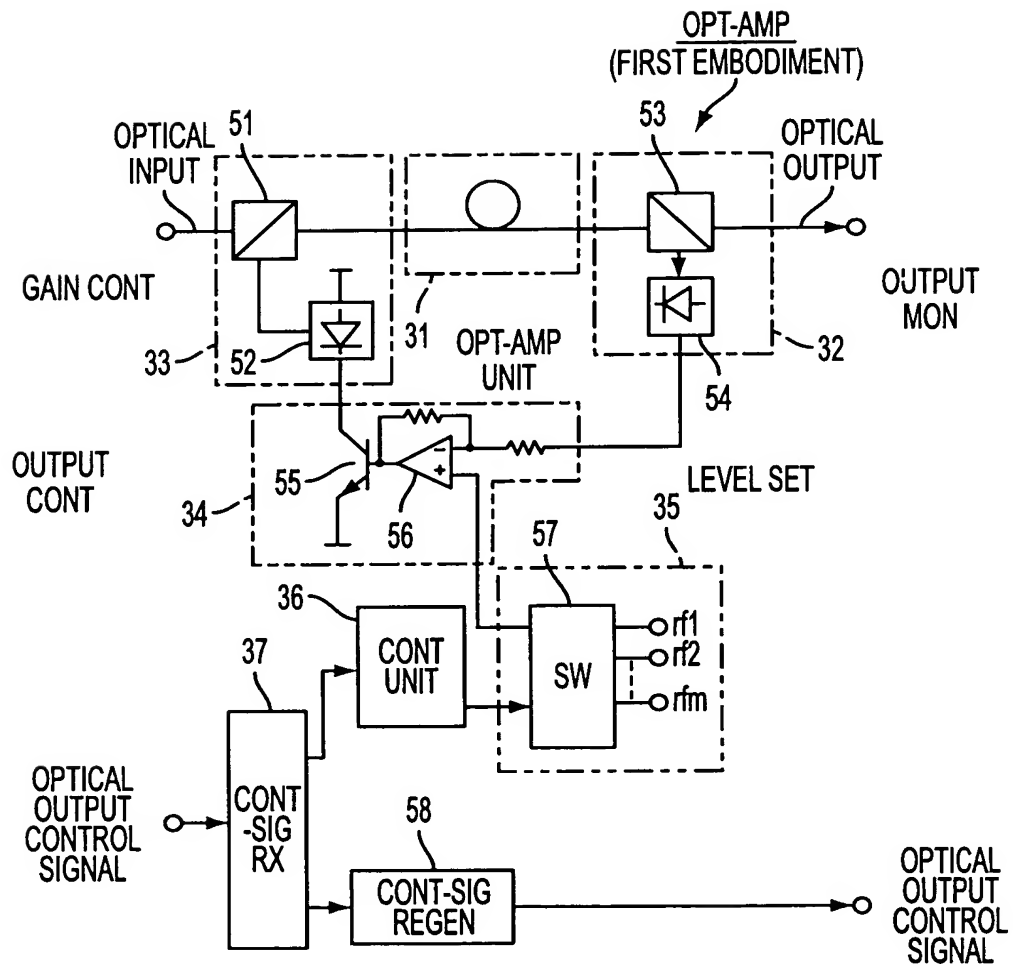


FIG. 11

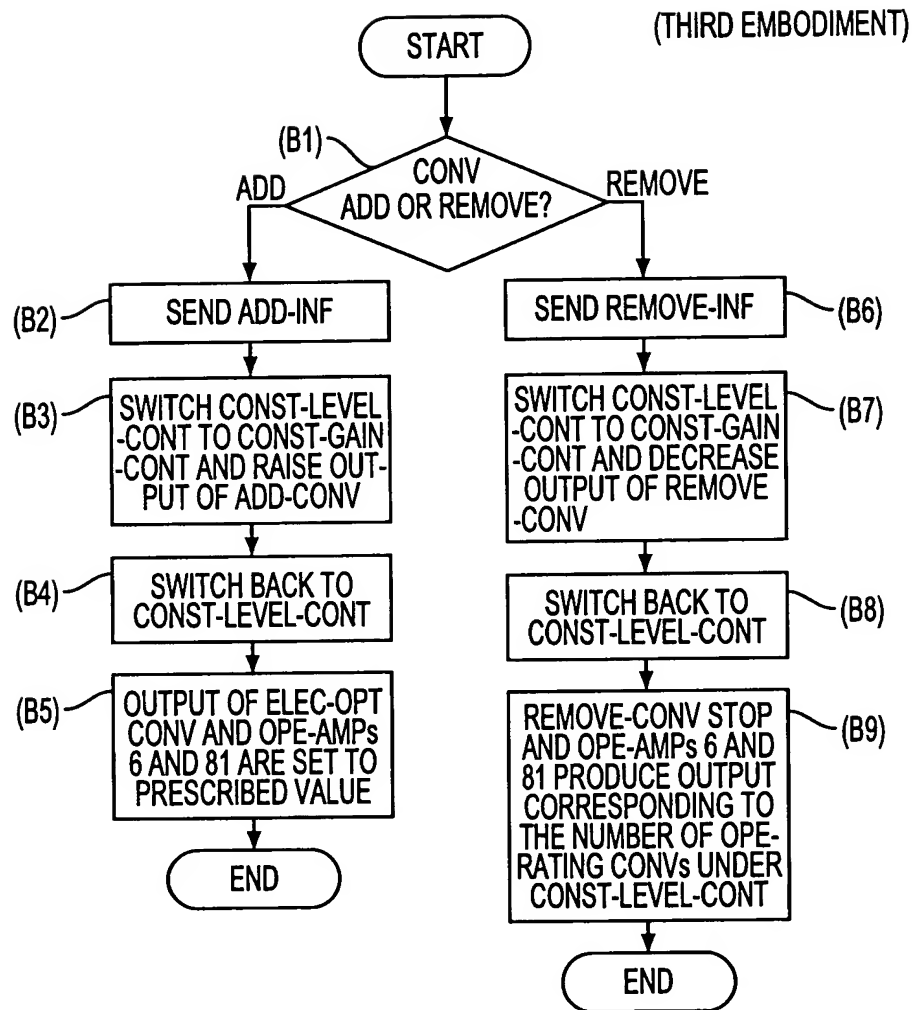


FIG. 12

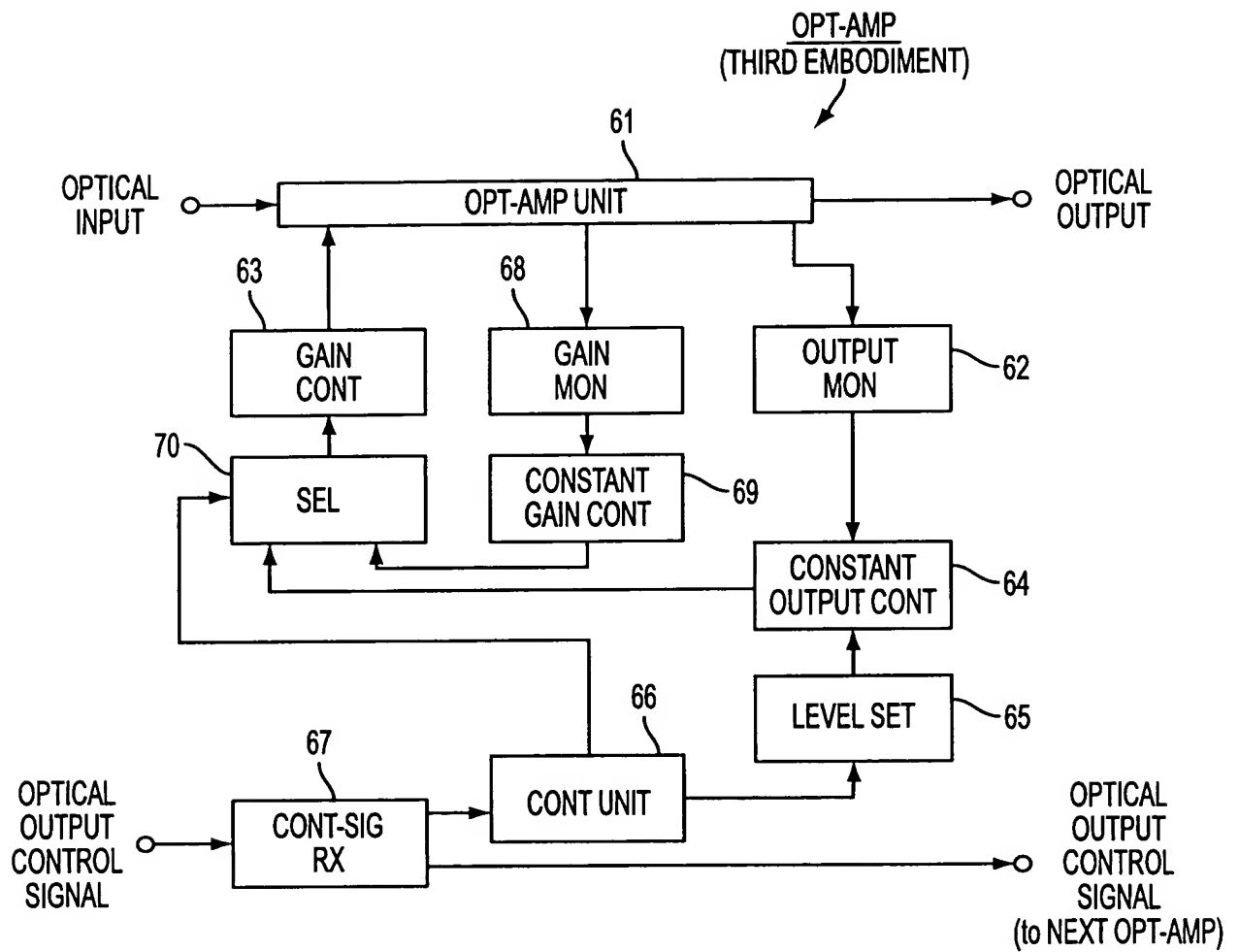


FIG. 13

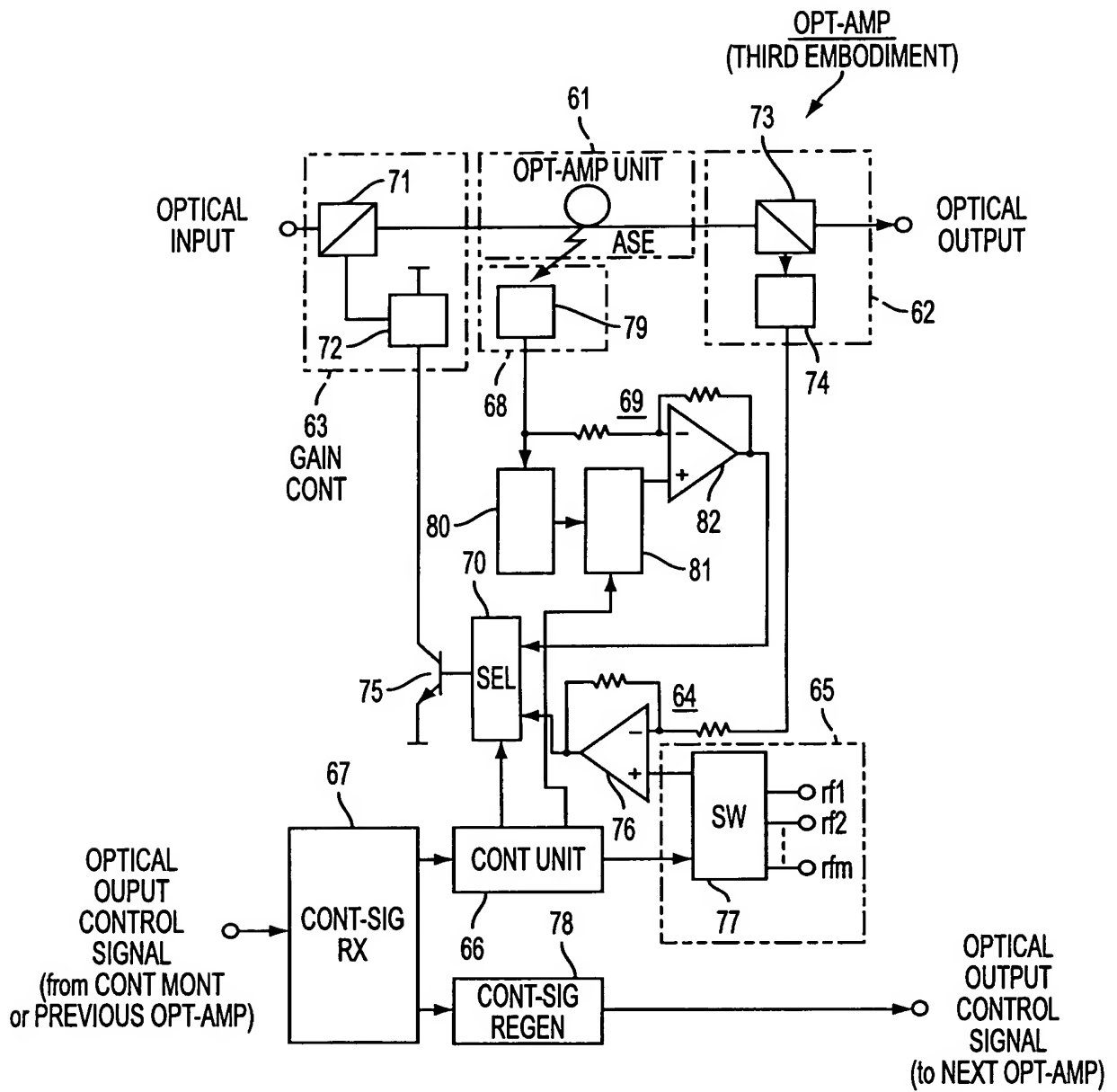


FIG. 14

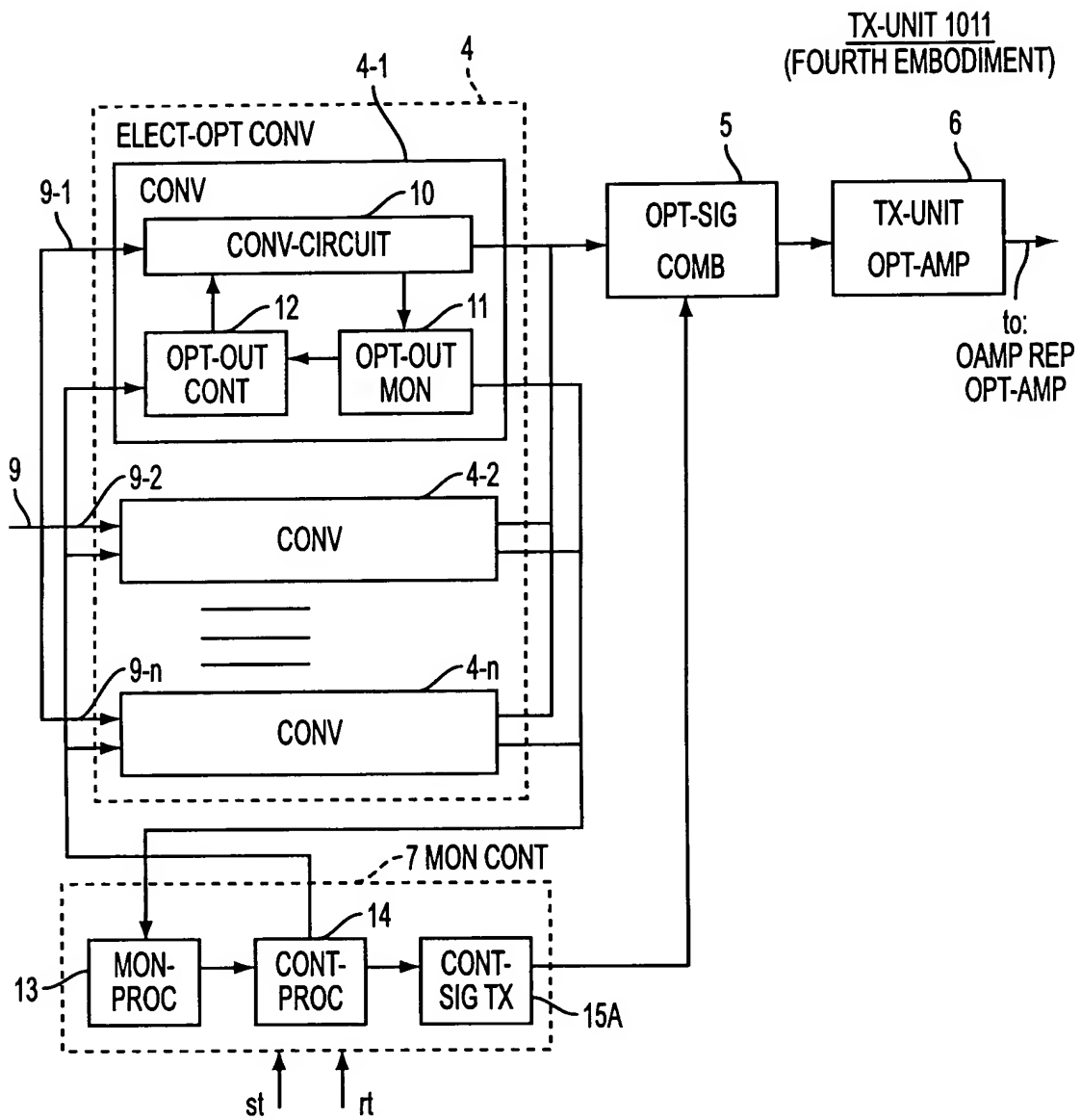


FIG. 15

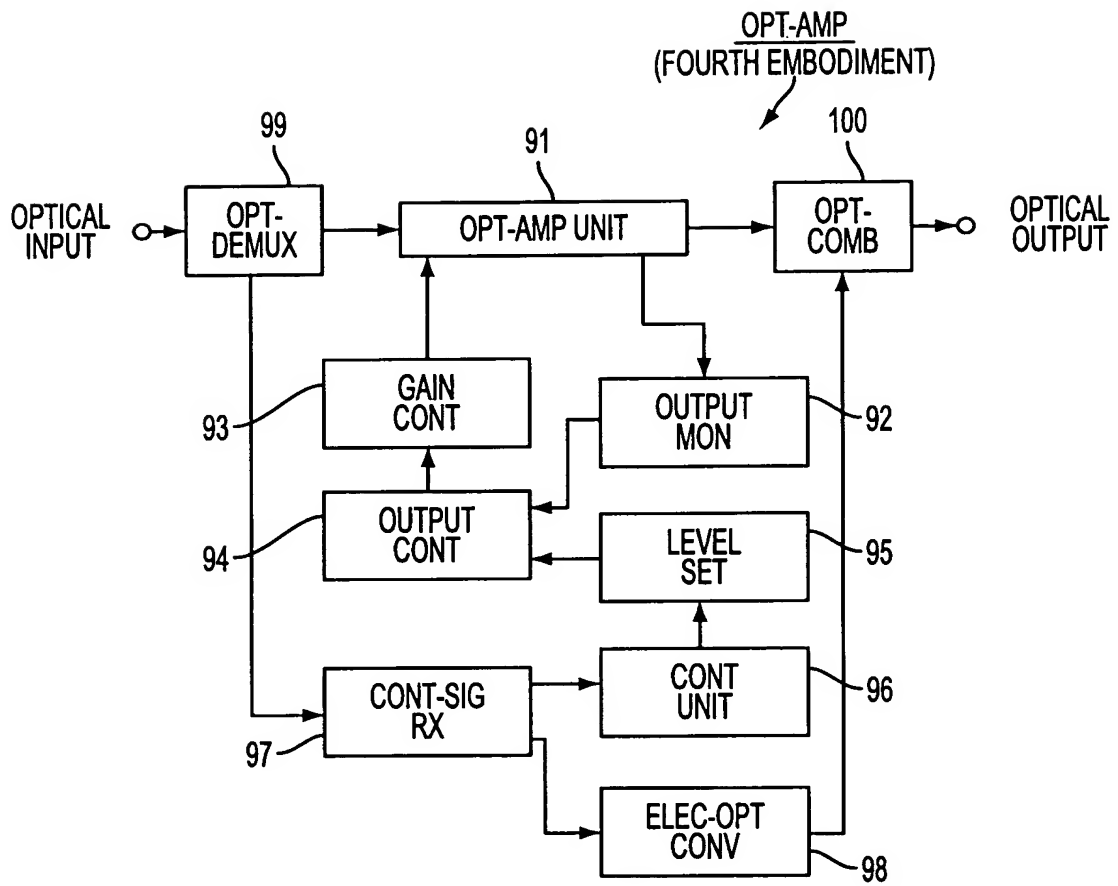
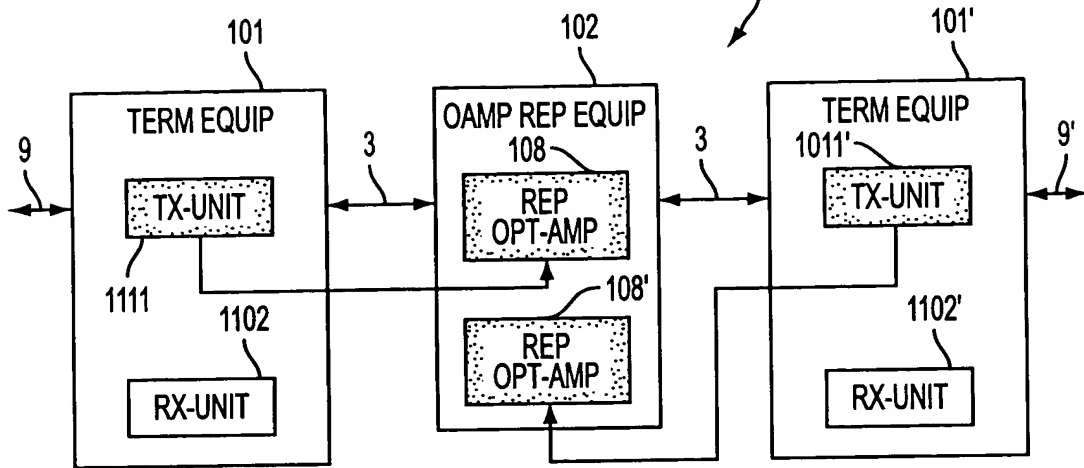
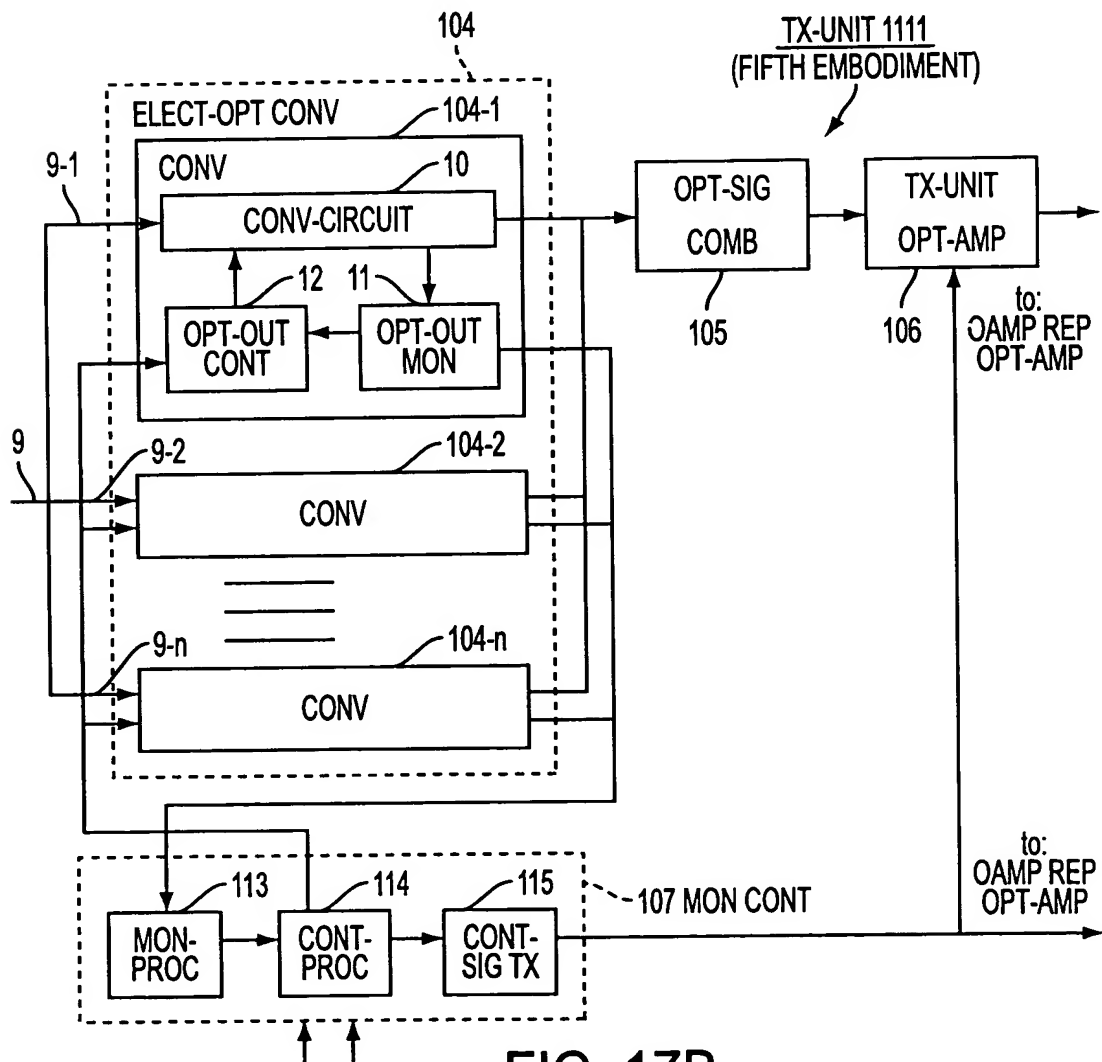


FIG. 16

MULTIPLEX OPTICAL COMMUNICATION SYSTEM  
(FIFTH EMBODIMENT)



**FIG. 17A**



**FIG. 17B**

MULTIPLEX OPTICAL COMMUNICATION SYSTEM  
(FIFTH EMBODIMENT)

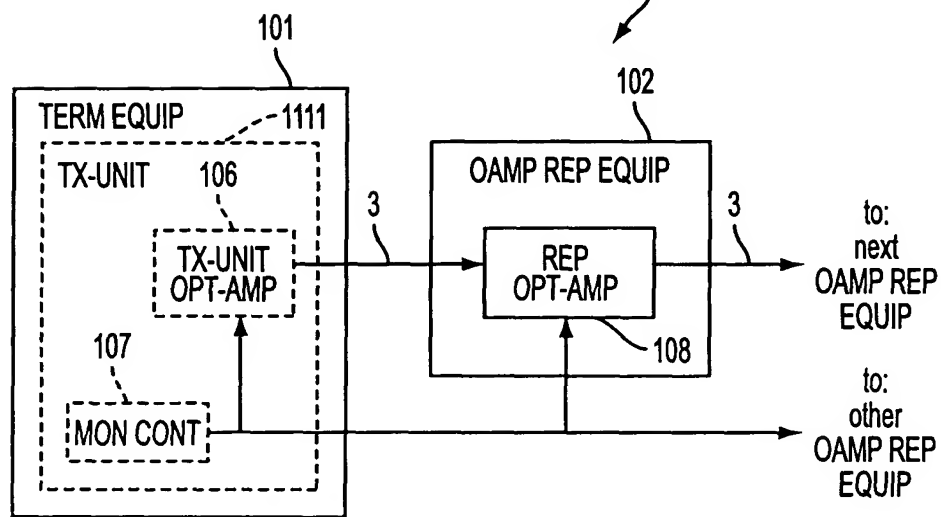


FIG. 17C

OTDM  
OPTICAL SIGNAL

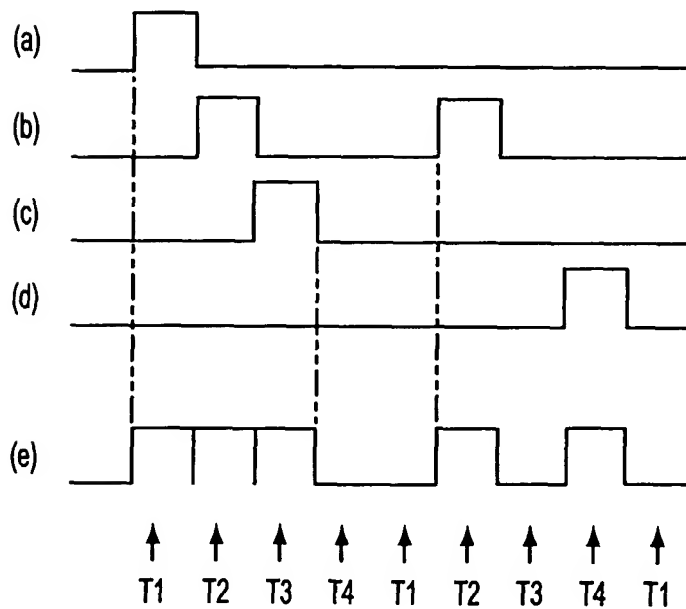


FIG. 18